



DDoS Attack: Who is at risk?

Simply Put: Everyone



What is DDoS?

A distributed denial-of-service (DDoS) attack is an attempt to make an online service, website or network unavailable by overwhelming it with traffic, stopping even legitimate traffic. In some cases, an attack can be used as a diversion for other malicious activities such as taking down security appliances (e.g. web application firewalls). Launching an assault no longer requires specialized technical skill, allowing even a novice to generate a DDoS attack. DDoS attacks vary in length from a few minutes to several days. DDoS threats have matured in both volume and sophistication. Unfortunately, the chance of being attacked has never been higher.

What sets ICN DDoS protection apart from other service providers?

Many service providers withhold mitigation until the customer agrees to purchase their DDoS service. Unlike those providers, performance and maintaining the integrity of our customers' data and network is our highest priority. As a value-added service, we provide both on and off-net mitigation services and deliver the best in class DDoS protection for ICN customers at no additional cost.

DDoS Mitigation

A DDoS attack requires a proactive approach, one that identifies the malicious activity and mitigates the attack immediately to protect business continuity and ensure resource availability. Our DDoS detection tools identify attacks based upon unexpected traffic patterns. During mitigation, we will redirect attack packets and allow legitimate data to be routed to the proper destination. We have the capacity to mitigate large attacks and stop harmful traffic before it reaches our customers. If your site is the target of a DDoS attack, ICN engineers are available 24/7 to provide DDoS protection and quickly block attacks to restore your services.

MONITOR & DETECT

Our state-of-the-art DDoS monitoring and detection tools are designed to specifically identify and defeat attacks.



MITIGATE & PROTECT

Protection of the network and customer connections is our priority. The ICN monitors connections 24/7 mitigating DDoS attacks and other threats quickly and effectively.



MONITOR

DETECT

MITIGATE

PROTECT



Contact Us Today!

For more information, contact your local Regional Technology Center or visit www.illinois.net.
General Inquiries: 217-524-3648 or 312-814-3648 Option 2 | DoIT.ICN@illinois.gov



BENEFITS AT A GLANCE:

MONITORING:

24/7 monitoring and mitigation of DDoS attacks

DETECTION:

Traffic is observed and baselined continuously to quickly detect and identify traffic anomalies

MITIGATION:

State-of-the-art tools and advanced mitigation techniques

PROTECTION:

Protection against various types of DDoS attacks including encrypted traffic (and botnets)

UPTIME:

ICN protection will keep your network up and available while the attack is occurring

CAPACITY:

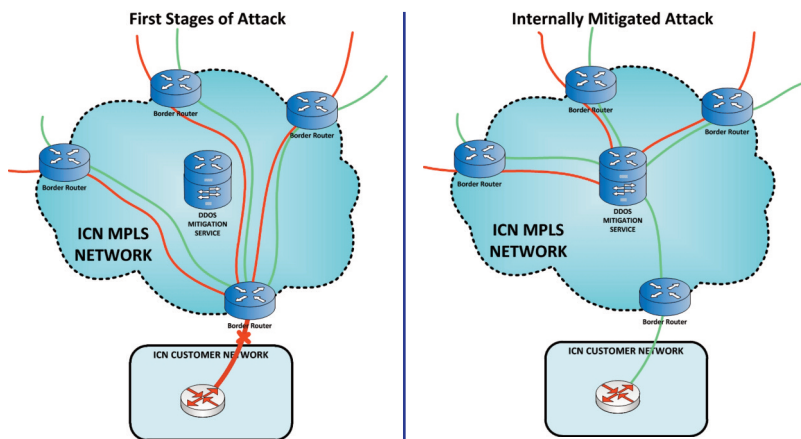
Ability to mitigate attacks from a few Mbps to multiple Gbps

VALUE-ADDED SERVICE:

DDoS protection is provided for all ICN customers at no additional cost

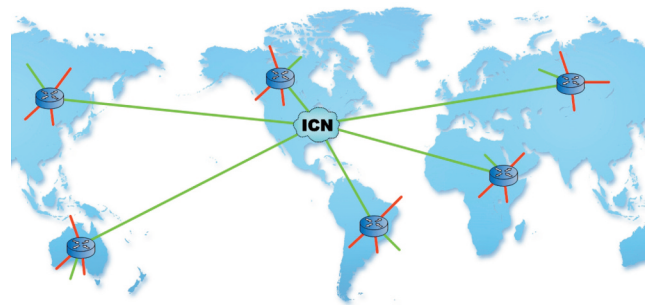
24/7 SUPPORT:

ICN staff is experienced in dealing with DDoS attacks and will detect and mitigate threats quickly and effectively



ICN DDoS Mitigation Types

EXTERNALLY MITIGATED ATTACK



MONITOR

DETECT

MITIGATE

PROTECT

ICN Staff & Support

Your Trusted Advisors for Technology Excellence

You have our dedicated attention! There are nine Regional Technology Centers (RTC) strategically located throughout Illinois. RTC staff provide dedicated customer support and will work with you to create a customized network solution to meet your business requirements. The RTC team is backed up by the resources of our Network Services team and the Communications Management Center (CMC). Dedicated customer support is available 24/7.

Your Next Step!

Contact your local Regional Technology Center today to get CONNECTED! Find your local RTC office contact details at www.illinois.net and don't hesitate to call us at 217-524-3648 or 312-814-3648 Option 2.

What Our Customers Say!

ICN Higher Education Customer

"The ICN successfully mitigated a recent attack on our campus network. The ICN resolved the issue immediately and protected us from DDoS attacks ever since. They have always been proactive in letting us know when there might be a potential issue."

ICN Network Backbone

